## Claims

- 1. An agent for treating an inflammatory bowel disease comprising a combination of (a) at least one compound having an anti-inflammatory action and being selected from the group consisting of an aminosalicylic acid derivative, an anti-inflammatory glucocorticoid, a compound having an immunosuppressive action, an anti-TNF $\alpha$  antibody, a pituitary hormone and a compound having an anti-infective action as an active ingredient and (b) at least one compound having a PPAR $\gamma$  agonistic action as an active ingredient, wherein the agent is so configured that the compound (a) and the compound (b) are used simultaneously, separately or every scheduled time.
- 2. An agent for treating an inflammatory bowel disease comprising a combination of (a) at least one compound having an anti-inflammatory action and being selected from the group consisting of an aminosalicylic acid derivative, an anti-inflammatory glucocorticoid, a compound having an immunosuppressive action and an anti-TNFa antibody as an active ingredient and (b) at least one compound having a PPARy agonistic action as an active ingredient, wherein the agent is so configured that the compound (a) and the compound (b) are used simultaneously, separately or every scheduled time.
  - 3. An agent for treating an inflammatory bowel

disease comprising a combination of (a) at least one compound having an anti-inflammatory action and being selected from the group consisting of an aminosalicylic acid derivative and a compound having an immunosuppressive action as an active ingredient and (b) at least one compound having a PPARy agonistic action as an active ingredient, wherein the agent is so configured that the compound (a) and the compound (b) are used simultaneously, separately or every scheduled time.

- 4. The agent for treating an inflammatory bowel disease according to claim 1, wherein the compound having a PPARY agonistic action is a compound having a PPARY agonistic action for use in leukocytapheresis treatment or granulocytapheresis treatment.
- 5. The agent for treating an inflammatory bowel disease according to any one of claims 1 to 4, wherein the compound having a PPARy agonistic action is a compound selected from the group consisting of:
- (1) 2-isopropoxy-3-[3-([4-(trifluoromethyl)benzyl]oxyethanimidoyl)phenyl]propanoic acid,
- (2) 3-{3-[3-(2,4-dichlorophenoxy)-2(S)-hydroxypropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (3) 3-(3-{2(R)-hydroxy-3-[4-chlorophenoxy]propoxy}phenyl)2(S)-isopropoxypropanoic acid,
- (4) 3-{3-[3-(2,4-dichlorophenoxy)-2(R)hydroxypropoxy]phenyl}-2(S)-isopropoxypropanoic acid,

- (5)  $3-\{3-\{3-\{2,4-dichlorophenoxy\}\}-2\}$
- fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (6)  $3-\{3-[3-(4-chlorophenoxy)-2(S)-fluoropropoxy]phenyl\}-$
- 2(S)-isopropoxypropanoic acid,
- (7) 3-{3-[3-(4-chloro-2-cyanophenoxy)-2(R)-
- fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (8)  $3-\{3-[3-(2,4-dichlorophenoxy)-2(S)-$
- fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (9)  $3-\{3-[3-(4-chlorophenoxy)-2(R)-fluoropropoxy]phenyl\}-$
- 2(S)-isopropoxypropanoic acid,
- (10) 3- $\{3-[3-(4-chloro-2-cyanophenoxy)-2(S)-$
- fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (11) 2(S) isopropoxy-3-{3-[(4-
- trifluoromethylbenzyloxycarbonylamino)methyl]phenyl}propanoic acid,
- (12) 2(S)-isopropoxy-3-{3-[(3-
- trifluoromethylbenzyloxycarbonylamino)methyl]phenyl}propanoic acid,
- (13) 2(S)-isopropoxy-3-{3-[(4-
- trifluoromethoxybenzyloxycarbonylamino)methyl]phenyl}propanoic acid,
- (14) 3-(3-{[3-trifluoromethoxybenzyloxycarbonylamino]-
- methyl}phenyl)-2(S)-isopropoxypropanoic acid,
- (15)  $3-\{[3-(2,4-dichlorophenyl) carbamoyloxymethyl-4-$
- ethoxy]phenyl}-2-isopropoxypropanoic acid,
- (16)  $3-(\{4-[5-(benzo[1,3]dioxolyl)]carbamoyloxymethyl\}-$

- phenyl)-2-isopropoxypropanoic acid,
- (17) 3-{3-[3-(4-chlorophenyl)-2-propynyloxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (18) 3-{[3-(2,4-dichlorophenyl)carbamoyloxymethyl-4ethoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (19) 3-(3-{2(R)-hydroxy-3-[2-bromo-4-methylphenoxy]-propoxy}phenyl)-2(S)-isopropoxypropanoic acid,
- (20) 3-{[4-(4-ethoxyphenyl)carbamoyloxymethyl]phenyl}-2-isopropoxypropanoic acid,
- (21) 2-isopropoxy-3-[4-(2-{[4-(trifluoromethyl)phenyl]carbamoyloxy}ethyl)phenyl]propanoic acid,
- (22) 3-[3-([2,4-dichlorobenzoyl]aminomethyl)-4-methoxyphenyl]-2(S)-isopropoxypropanoic acid,
- (23) 3-[3-([2-fluoro-4-(trifluoromethyl)benzoyl]aminomethyl)-4-methoxyphenyl]-2(S)-isopropoxypropanoic acid,
- (24) 2-ethoxy-3-(2-{2-[4-(trifluoromethyl)phenoxy]ethoxy}4-pyridyl)propanoic acid,
- (25) 3-(2-{2-[4-(tert-butyl)phenoxy]ethoxy}-4-pyridyl)-2ethoxypropanoic acid,
- (26) 3-(3-[(2-chloro-4-propoxybenzoyl)amino]methyl-2,4-dimethoxyphenyl)-2-isopropoxypropanoic acid,
- (27) 3-(7-[(2,4-dichlorobenzoyl)amino]methylbenzo[b]furan-5-yl)-2-isopropoxypropanoic acid,
- (28) 3-(7-[(2-chloro-4-propoxybenzoyl)amino]methyl-2,3-dihydrobenzo[b]furan-5-yl)-2-isopropoxypropanoic acid,
- (29) 2-(3-{[(2-chloro-4-propoxybenzoyl)amino]methyl}-4-

ethoxybenzyl)tetrahydro-2-furancarboxylic acid,

- (30) 2-(3-{[(2-chloro-4-propoxybenzoyl)amino]methyl}-4-ethoxybenzyl)tetrahydro-2-furancarboxylic acid,
- (31) pioglitazone,
- (32) netoglitazone,
- (33) tesaglitazar,
- (34) 5-(2,4-dioxothiazolidin-5-ylmethýl)-2-methoxy-N-(4-trifluoromethylbenzyl)benzamide,
- (35) 5-[4-(6-methoxy-1H-benzimidazol-2-ylmethoxy)benzyl]thiazolidine-2,4-dione,
- (36) 4-[4-(5-methyl-2-phenyloxazol-4-ylmethoxy)-benzyloxyimino]-4-phenylbutyric acid and
- (37) (4-methoxyphenoxycarbonyl-[4-[2-(5-methyl-2-phenyloxazol-4-yl)ethoxy]benzyl]amino)acetic acid, a salt thereof or a hydrate of them.
- 6. The agent for treating an inflammatory bowel disease according to any one of claims 1 to 4, wherein the compound having a PPARy agonistic action is a compound selected from the group consisting of:
- (1) 2-isopropoxy-3-[3-([4-(trifluoromethyl)benzyl]oxyethanimidoyl)phenyl]propanoic acid,
- (2) 3-{3-[3-(2,4-dichlorophenoxy)-2(R)-fluoro-propoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (3) 3-{3-[3-(4-chlorophenoxy)-2(R)-fluoropropoxy]phenyl}2(S)-isopropoxypropanoic acid,
- (4)  $3-\{3-\{3-\{4-chloro-2-cyanophenoxy\}\}-2\}$

fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,

- (5) 2(S)-isopropoxy-3-{3-[(4trifluoromethoxybenzyloxycarbonylamino)methyl]phenyl}propanoic acid,
- (6) 3-(3-{[3-trifluoromethoxybenzyloxycarbonylamino]methyl}phenyl)-2(S)-isopropoxypropanoic acid,
- (7) pioglitazone,
- (8) netoglitazone,
- (9) tesaglitazar,
- (10) 5-(2,4-dioxothiazolidin-5-ylmethyl)-2-methoxy-N-(4-trifluoromethylbenzyl)benzamide,
- (11) 5-[4-(6-methoxy-1H-benzimidazol-2-ylmethoxy)benzyl]-thiazolidine-2,4-dione,
- (12) 4-[4-(5-methyl-2-phenyloxazol-4-ylmethoxy)-benzyloxyimino]-4-phenylbutyric acid and
- (13) (4-methoxyphenoxycarbonyl-[4-[2-(5-methyl-2-phenyloxazol-4-yl)ethoxy]benzyl]amino)acetic acid, a salt thereof or a hydrate of them.
- 7. The agent for treating an inflammatory bowel disease according to any one of claims 1 to 4, wherein the compound having a PPARy agonistic action is a compound selected from the group consisting of:
- (1) 2-isopropoxy-3-[3-([4-(trifluoromethyl)benzyl]oxyethanimidoyl)phenyl]propanoic acid,
- (2) 3-{3-[3-(2,4-dichlorophenoxy)-2(S)-hydroxypropoxy]phenyl}-2(S)-isopropoxypropanoic acid,

- (3) 3-(3-{2(R)-hydroxy-3-[4-chlorophenoxy]propoxy}phenyl)2(S)-isopropoxypropanoic acid,
- (4) 3-{3-[3-(2,4-dichlorophenoxy)-2(R)-hydroxypropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (5) 3-{3-[3-(2,4-dichlorophenoxy)-2(R)-fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (6) 3-{3-[3-(4-chlorophenoxy)-2(S)-fluoropropoxy]phenyl}2(S)-isopropoxypropanoic acid,
- (7) 3-{3-[3-(4-chloro-2-cyanophenoxy)-2(R)-fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (8) 3-{3-[3-(2,4-dichlorophenoxy)-2(S)fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (9) 3-{3-[3-(4-chlorophenoxy)-2(R)-fluoropropoxy]phenyl}2(S)-isopropoxypropanoic acid,
- (10) 3-{3-[3-(4-chloro-2-cyanophenoxy)-2(S)-fluoropropoxy]-phenyl}-2(S)-isopropoxypropanoic acid,
- (11) 2(S)-isopropoxy-3-{3-[(4trifluoromethylbenzyloxycarbonylamino)methyl]phenyl}propanoic acid,
- (12) 2(S)-isopropoxy-3-{3-[(3trifluoromethylbenzyloxycarbonylamino)methyl]phenyl}propanoic acid,
- (13) 2(S)-isopropoxy-3-{3-[(4trifluoromethoxybenzyloxycarbonylamino)methyl]phenyl}propanoic acid,
- (14) 3-(3-{[3-trifluoromethoxybenzyloxycarbonylamino]-

- methyl}phenyl)-2(S)-isopropoxypropanoic acid,
- (15) 3-{[3-(2,4-dichlorophenyl)carbamoyloxymethyl-4-ethoxy]phenyl}-2-isopropoxypropanoic acid,
- (16) 3-({4-[5-(benzo[1,3]dioxolyl)]carbamoyloxymethyl}phenyl)-2-isopropoxypropanoic acid,
- (17) 3-{3-[3-(4-chlorophenyl)-2-propynyloxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (18) 3-{[3-(2,4-dichlorophenyl)carbamoyloxymethyl-4-ethoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (19) 3-(3-{2(R)-hydroxy-3-[2-bromo-4methylphenoxy]propoxy}phenyl)-2(S)-isopropoxypropanoic acid,
- (20) 3-{[4-(4-ethoxyphenyl)carbamoyloxymethyl]phenyl}-2-isopropoxypropanoic acid,
- (21) 2-isopropoxy-3-[4-(2-{[4-(trifluoromethyl)phenyl]-carbamoyloxy}ethyl)phenyl]propanoic acid,
- (22) 3-[3-([2,4-dichlorobenzoyl]aminomethyl)-4-methoxyphenyl]-2(S)-isopropoxypropanoic acid,
- (23) 3-[3-([2-fluoro-4-(trifluoromethyl)benzoyl]aminomethyl)-4-methoxyphenyl]-2(S)-isopropoxypropanoic acid,
- (24) 2-ethoxy-3-(2-{2-[4-(trifluoromethyl)phenoxy]ethoxy}-4-pyridyl)propanoic acid,
- (25) 3-(2-{2-[4-(tert-butyl)phenoxy]ethoxy}-4-pyridyl)-2-ethoxypropanoic acid,
- (26) 3-(3-[(2-chloro-4-propoxybenzoyl)amino]methyl-2,4-dimethoxyphenyl)-2-isopropoxypropanoic acid,
- (27) 3-(7-[(2,4-dichlorobenzoyl)amino]methylbenzo[b]furan-

- 5-yl)-2-isopropoxypropanoic acid,
- (28) 3-(7-[(2-chloro-4-propoxybenzoyl)amino]methyl-2,3-dihydrobenzo[b]furan-5-yl)-2-isopropoxypropanoic acid,
- (29) 2-(3-{[(2-chloro-4-propoxybenzoyl)amino]methyl}-4-ethoxybenzyl)tetrahydro-2-furancarboxylic acid and
- (30) 2-(3-{[(2-chloro-4-propoxybenzoyl)amino]methyl}-4-ethoxybenzyl)tetrahydro-2-furancarboxylic acid, a salt thereof or a hydrate of them.
- 8. The agent for treating an inflammatory bowel disease according to any one of claims 1 to 4, wherein the compound having a PPARy gonistic action is a compound selected from the group consisting of:
- (1) 2-isopropoxy-3-[3-([4-(trifluoromethyl)benzyl]oxyethanimidoyl)phenyl]propanoic acid,
- (2) 3-{3-[3-(2,4-dichlorophenoxy)-2(R)-fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (3) 3-{3-[3-(4-chlorophenoxy)-2(R)-fluoropropoxy]phenyl}2(S)-isopropoxypropanoic acid,
- (4) 3-{3-[3-(4-chloro-2-cyanophenoxy)-2(S)fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid,
- (5) 2(S)-isopropoxy-3-{3-[(4trifluoromethoxybenzyloxycarbonylamino)methyl]phenyl}propanoic acid and
- (6) 3-(3-{[3-trifluoromethoxybenzyloxycarbonylamino]methyl}phenyl)-2(S)-isopropoxypropanoic acid, a salt
  thereof or a hydrate of them.

- 9. The agent for treating an inflammatory bowel disease according to any one of claims 1 to 4, wherein the compound having a PPARy agonistic action is 3-{3-[3-(4-chloro-2-cyanophenoxy)-2(S)-fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid, a salt thereof or a hydrate of them.
- 10. The agent for treating an inflammatory bowel disease according to any one of claims 1 to 3, wherein the aminosalicylic acid derivative is:
- (1) sulfasalazine,
- (2) mesalazine,
- (3) olsalazine or
- (4) balsalazide.
- 11. The agent for treating an inflammatory bowel disease according to claim 1 or 2, wherein the anti-inflammatory glucocorticoid is:
- (1) prednisolone,
- (2) betamethasone,
- (3) hydrocortisone,
- (4) cortisone acetate,
- (5) methylprednisolone,
- (6) prednisone or
- (7) budesonide.
- 12. The agent for treating an inflammatory bowel disease according to any one of claims 1 to 3, wherein the compound having an immunosuppressive action is:

- (1) cyclosporin,
- (2) azathioprine,
- (3) 6-mercaptopurine,
- (4) tacrolimus or
- (5) methotrexate.
- 13. The agent for treating an inflammatory bowel disease according to claim 1 or 2, wherein the anti-TNF $\alpha$  antibody is an antibody contained in:
- (1) infliximab,
- (2) etanercept,
- (3) CDP-571,
- (4) adalimumab or
- (5) CDP-870.
- 14. The agent for treating an inflammatory bowel disease according to claim 1, wherein the compound having an anti-infective action is:
- (1) metronidazole,
- (2) clarithromycin,
- (3) tobramycin,
- (4) ciprofloxacin hydrochloride,
- (5) ampicillin,
- (6) cefazolin,
- (7) ofloxacine or
- (8) levofloxacin.
- 15. The agent for treating an inflammatory bowel disease according to claim 1, wherein the pituitary hormone

is tetracosactide acetate.

- 16. The agent for treating an inflammatory bowel disease according to claim 2, wherein the group consisting of an aminosalicylic acid derivative, an anti-inflammatory glucocorticoid, a compound having an immunosuppressive action and an anti-TNF $\alpha$  antibody is the group consisting of sulfasalazine, mesalazine, prednisolone, betamethasone, hydrocortisone, cortisone acetate, methylprednisolone, prednisone, cyclosporin and tacrolimus.
- 17. The agent for treating an inflammatory bowel disease according to claim 3, wherein one compound having an anti-inflammatory action and being selected from the group consisting of an aminosalicylic acid derivative and a compound having an immunosuppressive action is sulfasalazine or cyclosporin.
- 18. An agent for treating an inflammatory bowel disease, which comprises a combination of (a) a compound having an anti-inflammatory action and being selected from the group consisting of sulfasalazine and cyclosporin as an active ingredient and (b) a compound having a PPARY agonistic action and being 3-{3-[3-(4-chloro-2-cyanophenoxy)-2(S)-fluoropropoxy]phenyl}-2(S)-isopropoxypropanoic acid, a salt thereof or a hydrate of them as an active ingredient, wherein the agent is so configured that the compound (a) and the compound (b) are used simultaneously, separately or every scheduled time.

- 19. The agent according to any one of claims 1 to 17, wherein the inflammatory bowel disease is ulcerative colitis.
- 20. The agent according to any one of claims 1 to 17, wherein the inflammatory bowel disease is Crohn's disease.
- 21. An agent for treating an inflammatory bowel disease, which comprises a combination of the compound (a) and the compound (b) as descried in claim 1.
- 22. The agent according to claim 21, wherein the combination of the compound (a) and the compound (b) is simultaneous or separate administration.
- 23. The agent according to claim 21, wherein the combination of the compound (a) and the compound (b) is successive administration.
- 24. Use of the combination of the compound (a) and the compound (b) as described in claim 1, for producing an agent for treating an inflammatory bowel disease.
- 25. The use according to claim 24, wherein the combination of the compound (a) and the compound (b) is simultaneous or separate administration.
- 26. The use according to claim 24, wherein the combination of the compound (a) and the compound (b) is administration every scheduled time.
- 27. A method for treating an inflammatory bowel disease, which comprises administering a pharmacologically effective amount of the combination of the compound (a) and

the compound (b) described in claim 1 to a patient.

- 28. The method according to claim 27, which comprises administering the compound (a) and the compound (b) simultaneously or separately to the patient.
- 29. The method according to claim 27, which comprises administering the compound (a) and the compound (b) every scheduled time to the patient.